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Sequence Listing was accepted.
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217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2009; month=5; day=28; hr=13; min=13; sec=28; ms=781; ]
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Application No: 10522074   Version No: 3.0

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Output Set:

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Finished:	2009-05-21 16:34:14.524
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           Input Set:


          Output Set:



            Started:   2009-05-21 16:33:54.174
           Finished:   2009-05-21 16:34:14.524
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    Total Warnings:    40
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No. of SeqIDs Defined: 40
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Error code   Error Description

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<220>
<223>   Synthetic polypeptide leader sequence

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<222>   (1)..(1)
<223>   CAN BE EITHER Phe OR Trp OR Tyr

<220>
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<223>   CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

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<220>
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<210>  2
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<220>
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<220>
<223>   Synthetic polypeptide leader sequence


<400>   7

Phe Ile Val Ser Ile
1                   5



<210>   8
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<212>   PRT
<213>   Artificial Sequence


<220>
<223>   Synthetic polypeptide secretion pre-sequence


<400>   8

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<210>   9
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<213>   Artificial Sequence


<220>
<223>   Synthetic polypeptide secretion pre-sequence


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Leu Phe Leu Phe Ser Ser Ala Tyr Ser
1                   5



<210>   10
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<212>   PRT
<213>   Artificial Sequence
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<220>

<223>   Synthetic polypeptide secretion pre-sequence

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<223>   CAN BE EITHER Ile OR Leu OR Val OR Ala OR Met

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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic polypeptide secretion pre-sequence

<400> 11

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<210> 12
<211> 18
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<220>
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1   5   10   15
Tyr Ser

<210> 13
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<220>
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1   5   10   15
Phe Ser

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<400> 14

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1               5                   10                  15
Tyr Ser Arg Ser Leu Asp Lys Arg
            20
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<210> 15
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<220>
<223> Synthetic oligonucleotide leader sequence

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       acc OR act


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<222>  (13)..(15)
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<210>  16
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<220>
<223>  Synthetic oligonucleotide leader sequence



<220>
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<223>  CAN BE EITHER a OR g OR c OR t


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<222>  (10)..(12)
<223>  CAN BE EITHER tca OR tcg OR tcc OR tct OR agy


<400>  16
ttyathgtnn nnath                                                    15



<210>  17
<211>  15
<212>  DNA
<213>  Artificial Sequence


<220>
<223>  Synthetic oligonucleotide leader sequence



<220>
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<222>  (2)..(3)
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<220>
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<220>
<221> misc_feature
<222> (11)..(15)
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<210> 18
<211> 15
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<220>
<223> Synthetic oligonucleotide leader sequence

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<210> 19
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      and mature human albumin CDS

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cgctcacaga ttcaaggact tgggtgaaga aaacttcaag gctttggtct tgatcgcttt   180
cgctcaatac ttgcaacaat gtccattcga agatcacgtc aagttggtca acgaagttac   240
cgaattcgct aagacttgtg ttgctgacga atctgctgaa aactgtgaca agtccttgca   300
caccttgttc ggtgataagt tgtgtactgt tgctaccttg agagaaacct acggtgaaat   360
ggctgactgt tgtgctaagc aagaaccaga aagaaacgaa tgtttcttgc aacacaagga   420
cgacaaccca aacttgccaa gattggttag accagaagtt gacgtcatgt gtactgcttt   480
ccacgacaac gaagaaacct tcttgaagaa gtacttgtac gaaattgcta gaagacaccc   540
atacttctac gctccagaat gttgttgtct cgctaagaga tacaaggctg ctttcaccga   600
atgttgtcaa gctgctgata aggctgcttg tttgttgcca aagttggatg aattgagaga   660
cgaaggtaag gcttcttccg ctaagcaaag attgaagtgt gcttccttgc aaaagttcgg   720
tgaaagagct ttcaaggctt gggctgtcgc tagattgtct caaagattcc caaaggctga   780
attcgctgaa gtttctaagt tggttactga cttgactaag gttcacactg aatgttgtca   840
cggtgacttg ttggaatgtg ctgatgacag agctgacttg gctaagtaca tctgtgaaaa   900
ccaagactct atctcttcca gttgaaggaa atgttgtgaa aagccattgt tggaaaagtc   960
tcactgtatt gctgaagttg aaaacgatga aatgccagct gacttgccat ctttggctgc   1020

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tgacttcgtt gaatctaagg acgtttgtaa gaactacgct gaagctaagg acgtcttctt      1080

gggtatgttc ttgtacgaat acgctagaag acacccagac tactccgttg tcttgttgtt      1140
gagattggct aagacctacg aaactacctt ggaaaagtgt gtgctgctg ctgacccaca       1200
cgaatgttac gctaaggttt tcgatgaatt caagccattg gtcgaagaac cacaaaactt      1260
gatcaagcaa aactgtgaat tgttcgaaca attgggtgaa tacaagttcc aaaacgcttt      1320
gttggttaga tacactaaga aggtcccaca agtctccacc ccaactttgg ttgaagtctc      1380
tagaaacttg ggtaaggtcg gttctaagtg ttgtaagcac ccagaagcta agagaatgcc      1440
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cccagtctct gatagagtca ccaagtgttg tactgaatct ttggttaaca gaagaccatg      1560
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caccttccac gctgatatct gtaccttgtc cgaaaaggaa agacaaatta gaagcaaac       1680
tgctttggtt gaattggtca gcacaagcc aaaggctact aaggaacaat tgaaggctgt       1740
catggatgat ttcgctgctt tcgttgaaaa gtgttgtaag gctgatgata aggaaacttg      1800
tttcgctgaa gaaggtaaga agttggtcgc tgcttcccaa gctgctttgg gtttgtaata      1860
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<212>  DNA
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ccattcgaag atcacgtcaa gttggtcaac gaagttaccg aattcgctaa gacttgtgtt      180
gctgacgaat ctgctgaaaa ctgtgacaag tccttgcaca ccttgttcgg tgataagttg      240
tgtactgttg ctaccttgag agaaacctac ggtgaaatgg ctgactgttg tgctaagcaa      300
gaaccagaaa gaaacgaatg tttcttgcaa cacaaggacg acaacccaaa cttgccaaga      360
ttggttagac cagaagttga cgtcatgtgt actgctttcc acgacaacga gaaaaccttc      420
ttgaagaagt acttgtacga aattgctaga gacacccat acttctacgc tccagaattg       480
ttgttcttcg ctaagagata caaggctgct ttcaccgaat gttgtcaagc tgctgataag      540
gctgcttgtt tgttgccaaa gttggatgaa ttgagagacg aaggtaaggc ttcttccgct      600
aagcaaagat gaagtgtgc ttccttgcaa aagttcggtg aaagagcttt caaggcttgg       660
gctgtcgcta gattgtctca aagattccca aaggctgaat cgctgaagt ttctaagttg       720
gttactgact tgactaaggt tcacactgaa tgttgtcacg gtgacttgtt ggaatgtgct      780
gatgacagag ctgacttggc taagtacatc tgtgaaaacc aagactctat ctcttccaag      840
ttgaaggaat gttgtgaaaa gccattgttg aaaagtctc actgtattgc tgaagttgaa       900
aacgatgaaa tgccagctga cttgccatct ttggctgctg acttcgttga atctaaggac      960
gtttgtaaga actacgctga agctaaggac gtcttcttgg gtatgttctt gtacgaatac     1020
gctagaagac acccagacta ctccgttgtc ttgttgttga gattggctaa gacctacgaa     1080
actaccttgg aaaagtgttg tgctgctgct gacccacacg aatgttacgc taaggttttc     1140
gatgaattca gccattggt cgaagaacca caaaacttga tcaagcaaaa ctgtgaattg      1200
ttcgaacaat gggtgaata caagttccaa aacgctttgt tggttagata cactaagaag     1260
gtcccacaag tctccacccc aactttggtt gaagtctcta gaaacttggg taaggtcggt     1320
tctaagtgtt gtaagcaccc agaagctaag agaatgccat gtgctgaaga ttacttgtcc     1380
gtcgttttga accaattgtg tgttttgcac gaaaagaccc cagtctctga tagagtcacc     1440
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gaaacttacg ttccaaagga attcaacgct gaaactttca ccttccacgc tgatatctgt     1560
accttgtccg aaaaggaaag acaaattaag aagcaaactg ctttggttga attggtcaag     1620
cacaagccaa aggctactaa ggaacaattg aaggctgtca tggatgattt cgctgctttc     1680
gttgaaaagt gttgtaaggc tgatgataag gaaacttgtt tcgctgaaga aggtaagaag     1740
ttggtcgctg cttcccaagc tgctttgggt ttg                                  1773
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<210> 21
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<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide leader sequence and protein coding region

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gaaaacttca aggctttggt cttgatcgct ttcgctcaat acttgcaaca atgtccattc   180
gaagatcacg tcaagttggt caacgaagtt accgaattcg ctaagacttg tgttgctgac   240
gaatctgctg aaaactgtga caagtccttg cacaccttgt tcggtgataa gttgtgtact   300
gttgctacct tgagagaaac ctacggtgaa atggctgact gttgtgctaa gcaagaacca   360
gaaagaaacg aatgtttctt gcaacacaag gacgacaacc caaacttgcc aagattggtt   420
agaccagaag ttgacgtcat gtgtactgct ttccacgaca cgaagaaac cttcttgaag   480
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ttcgctaaga gatacaaggc tgctttcacc gaatgttgtc aagctgctga taaggctgct   600
tgtttgttgc caaagttgga tgaattgaga gacgaaggta aggcttcttc cgctaagcaa   660
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gctagattgt ctcaaagatt cccaaaggct gaattcgctg aagtttctaa gttggttact   780
gacttgacta aggttcacac tgaatgttgt cacggtgact gttggaatg tgctgatgac   840
agagctgact ggctaagta catctgtgaa aaccaagact ctatctcttc caagttgaag   900
gaatgttgtg aaaagccatt gttggaaaag tctcactgta ttgctgaagt tgaaaacgat   960
gaaatgccag ctgacttgcc atctttggct gctgacttcg ttgaatctaa ggacgtttgt   1020
aagaactacg ctgaagctaa ggacgtcttc ttgggtatgt tcttgtacga atacgctaga   1080
agacacccag actactccgt tgtcttgttg ttgagattgg ctaagaccta cgaaactacc   1140
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